

Sub 04. A 1
comprising:

1 9. The method of claim 1, wherein each pulse in the sequence remains high for
2 the same time interval.

R-1.126

1 ¹⁰
8. A serial communication apparatus used to communicate with a battery
2 management system, comprising:
3 a port capable of sending and receiving pulses over a single conductor;
4 serial interface logic compatible with a serial protocol and capable of generating and
5 detecting signals on the port and communicating the signals with an internal bus in the
6 battery management system wherein each signal in the serial protocol is defined by a specific
7 number of pulses.

1 ¹¹
9. The apparatus of claim ¹⁰8 wherein the pulse width for each pulse in a signal is
2 substantially the same.

1 ¹²
10. The apparatus of claim ¹⁰8 wherein the time duration between signals is at least
2 two times longer than the width of a pulse.

1 ¹³
11. The apparatus of claim ¹⁰8, wherein a zero signal corresponds to a
2 sequence of two pulses.

1 ¹⁴
12. The apparatus of claim ¹⁰8, wherein a one signal corresponds to a sequence of
2 three pulses.

1 ¹⁵
13. The apparatus of claim ¹⁰8, wherein an acknowledge signal corresponds to a
2 sequence of four pulses.

1 ¹⁶
14. The apparatus of claim ¹⁰8, wherein a start communication signal corresponds
2 to a sequence of five pulses

Add A4